

20010922.qrp v02_n320.qrl.20010922

Date: Sat, 22 Sep 2001 19:03:03 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2320

QRP-L Digest 2320

Topics covered in this issue include:

- 1) [107326] QRPp International Web Site
by "Brice D. Hornback" <bdh@cyberbound.net>
- 2) [107327] FS - Palm Mini-Paddle
by "Dennis Payton" <dpayton@fwi.com>
- 3) [107328] Re: Inverted-L
by Steve Yates <aa5tb@yahoo.com>
- 4) [107329] RE: FT-817 FOR SALE
by "Mark and Marsha Gilger" <mgilger@brightdsl.net>
- 5) [107330] RE: PSK 31 question
by "Charles Mabbott" <crmabbott@mediaone.net>
- 6) [107331] OT: SUN Sparc ULTRA 1 for Sale
by "dave dabay" <kd3pc@mindspring.com>
- 7) [107332] Sked:First Contact:Cushing OK:Pixie II
by "Collier" <delphinus@brightok.net>
- 8) [107333] BUILD . . . Re: [GQRP] Antenna analyzer
by John R Kirby <n3aaz-qrp@juno.com>
- 9) [107334] Poquet/Logging
by "Bart N5WL" <wlawson@pldi.net>
- 10) [107335] QRP ARCI Fall QSO Party
by Randy Foltz <rfoltz@turbonet.com>
- 11) [107336] Need Help with SLA charger.
by "Alex Turner" <aturner13@triad.rr.com>
- 12) [107337] Re: QRP ARCI Fall QSO Party
by "Brian Murrey" <brian@iquest.net>
- 13) [107338] Re: Need Help with SLA charger.
by "George, W5YR" <w5yr@att.net>
- 14) [107339] Just worked WB4YEX on AT in Virginia
by John Harper AE5X <ae5x@qsl.net>
- 15) [107340] Fall QRP Homebrewer Sprint/Sunday evening
by n4so@juno.com
- 16) [107341] FS: 2 antlers
by "T.W." <wb5qyt@abq.com>
- 17) [107342] FREE SCOPE
by "T.W." <wb5qyt@abq.com>
- 18) [107343] FS: Scorpion Stinger Singer
by "T.W." <wb5qyt@abq.com>
- 19) [107344] FS: Heath HM-102 SWR/PWR meter

by "T.W." <wb5qyt@abq.com>
20) [107345] SLA Chargers
by "Robert P. Okas" <vintage@best.com>
21) [107346] Charging Power-Sonic PS-1229
by n4so@juno.com
22) [107347] RE: Fall QRP Homebrewer Sprint/Sunday evening
by "John L. Sielke" <w2agn@pobox.com>

Date: Fri, 21 Sep 2001 18:35:49 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [107326] QRPP International Web Site
Message-ID: <053201c142f6\$253c9580\$7001a8c0@lwinc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone. The QRPP-I Web site has moved to:

<http://www.QRPP-I.com>

Please update your bookmarks. If you haven't seen it yet... please take a look. Lots of great information, links, and photos.

72 de Brice KA8MAV

Date: Fri, 21 Sep 2001 18:53:06 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [107327] FS - Palm Mini-Paddle
Message-ID: <000701c142f8\$90939c00\$a8a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I received a Palm Mini-Paddle today, but after messing around with it for a while have decided I prefer the homebrew paddle I'm already using. I've only heard rave reviews about this paddle and don't have a complaint. I think everybody who's purchased one loves it. It's just a matter of taste.

Anyways, since I'm not going to use it, I want to sell it while it's still brand new. Maybe I can get most of my money back. I paid \$70 plus \$10 S&H and would like \$70 and I'll ship it Priority Mail. If I don't get any takers I'll drop the price, but if you're planning to buy one, this is a chance to save \$10.

Thanks,

Denny Payton, N9JXY

Date: Fri, 21 Sep 2001 17:43:08 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [107328] Re: Inverted-L
Message-ID: <20010922004308.57911.qmail@web14610.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Alan,

I just thought I would say that I've been using an inverted-L antenna for years as my all-band antenna. I usually have a dipole cut for my favorite band as well but the inverted-L performs very well on all bands from 80m to 6m. About a year and a half ago I added an SGC SG-237 Smartuner to the base of it and it is now a dream to use.

My inverted-L certainly is not in the best of configurations but I've worked lots of DX and NVIS with it on all bands at QRP levels, including Asia on 80m. Mine runs vertical about 2 feet from my tower for about 20 feet and then another 35 feet horizontally over to my chimney. I could make it longer but the SGC tuner had a bit of a problem loading it on 40m when the total length was close to a halfwave length (it doesn't like real high impedances).

There are better antennas but if someone is limited in space and wants a single inconspicuous antenna then one might want to try an inverted-L antenna, especially for the low bands. A simple L-network can be made to match it to 50 ohm coax for multiband use.

73,

=====

Steve Yates

Call: AA5TB

E-Mail: aa5tb@arrl.net
Location: Fort Worth, TX - Grid EM12gs
Web Page: <http://www.geocities.com/aa5tb>

Do You Yahoo!?

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<http://im.yahoo.com>

Date: Fri, 21 Sep 2001 21:49:11 -0400
From: "Mark and Marsha Gilger" <mgilger@brightdsl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [107329] RE: FT-817 FOR SALE
Message-ID: <004301c14308\$c70b7220\$6401a8c0@brightdsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a FT817 for sale. I bought it, on a whim, at Dayton this year. I have only powered it up once and that was to load up some memory channels and make a few short contacts. That was way back in May.

The deal will include the FT-817 and everything that comes with a new one. In addition, I have a carrying case and a 300 hz cw Collins filter from International Crystal. I never got around to installing it. Take everything for the first \$700 plus shipping.

I can email a picture if interested.

Mark , WB0IQK

Date: Sat, 22 Sep 2001 07:54:36 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "QRP-Post" <qrp-1@Lehigh.EDU>
Subject: [107330] RE: PSK 31 question
Message-ID: <GAECLOGOMILPLBGKKPEGOECOCNAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I want to thank everyone for the answers to my PSK question.
Who knows, someday I might even give the mode a try. I have
passed along the answers to the fellow and again want
to say thanks.

=====
Chuck Mabbott
AA8VS
42 19' 52" N 83 28' 32" W
Grid Square EN82gh
Home Page: <http://aa8vs.dhs.org:81/aa8vs>
FP-113 MI-QRP#1212 Firebirds #2117 SOC #445

Date: Sat, 22 Sep 2001 08:33:20 -0400
From: "dave dabay" <kd3pc@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [107331] OT: SUN Sparc ULTRA 1 for Sale
Message-ID: <000501c14362\$c4d90ee0\$9c87f3cf@shadow>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys and Gals,

A recent RIF at work (me) results in shack cleaning:

I have a recently refurbished SUN Ultra 1:
170 MHz Sparc
128MB Ram
2 - 2 Gig HD (Total 4GB)
TGX Graphics
Solaris 8, installed and complete CD Media Kit
8x Internal CD-ROM SCSI
17" SUN Color Monitor (CHB7727L)

All for \$850.00 (plus shipping, insurance, etc to your location)

More to come

dave

Dave Dabay KD3PC

Date: Sat, 22 Sep 2001 08:59:03 -0500
From: "Collier" <delphinus@brightok.net>
To: <qrp-1@Lehigh.EDU>
Subject: [107332] Sked:First Contact:Cushing OK:Pixie II
Message-ID: <000701c1436e\$c3a1a9e0\$53caf9cc@tiff>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm ready to try my first CW contact. Anybody in the OK area that could work some NVIS with me this morning, please let me know! I have time between now and 11AM CDT today. Skeds for other times okay.

I can be near 7040 or 7122 in the 40m band.

Warning: This is the maiden voyage for my Pixie _and_ me. It should be a challenge :-). The faint of heart need not apply!

73s, Matthew, AD5AP

Date: Sat, 22 Sep 2001 11:42:39 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: datosa@tin.it, GQRP@yahoogroups.com, qrp-1@Lehigh.EDU
Subject: [107333] BUILD . . . Re: [GQRP] Antenna analyzer
Message-ID: <20010922.114251.-224793.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>I will appreciate if someone could suggest where to look for an
>application to similar equipment.
>Thanks,
>Davide, Iw3hev

Create a 'look up table' of measurements (using a few 'standard
'components) and

this device becomes an inexpensive antenna analyzer.

Here is a sample of the resolution . . .

My 'test sample' is the 102 foot G5RV on 20 meters . . .

These data are measured and expressed in Volts using
only the MFJ-259 for a signal source. . .

MHz	G5RV "My"	STD 50	MFJ-259
	Ohm	Resistor	Indication
	HI	HI	:>)
13.6	C=3.9	A=3.765	SWR 1:1.1 and 47 Ohm
	D=3.75	B=3.767	
13.8	C=4.11	A=3.765	1:1 and 50
	D=3.85	B=3.767	
14.0	C=5.87	A=3.765	1:1.1 / 55
	D=4.12	B=3.767	
14.2	C=6.7	A=3.765	1:1.2 / 60
	D=4.29	B=3.767	

First note the ratio of A to B (the "standard").
THEN note the test sample ratios . . .
the LARGE ratios of A to C and D to C
for VSWR and resistance indicators.

My 'original' objective . . .
design and build an inexpensive device to measure the efficiency
of reactive components such as tuners, cores, and transmission line.

For those who do not have access to a signal generator or wide band
oscilloscope,
here is a technique with outstanding resolution and repeatability and
with sufficient accuracy to measure through put loss (efficiency) of a
reactive component.

This technique requires six basic components . . .

- 1) Radio frequency source, either, your radio transmitter or an antenna analyzer (such as the MFJ 259 or equivalent).
- 2) Bridge, Photo 1 >gif format< and Figure 1, four resistors, three RF connectors, copper clad circuit board.

3) RF probe, Photo 2 and Figure 2, two diodes, three capacitors, two resistors (RF choke optional), two RF connectors and a copper clad board.

The RF probe converts RF to DC (no power supply required for the probe). I built two probes, one to determine if the other is 'loading' the 'test point'

4) DC amplifier, Figure 3, (install between the probe and meter) one IC (quad op-amp such as MC34084 (or, two, 747, (1747))), a dozen resistors and two bypass capacitors. I built my amplifier on a 'poke board'.

5) Power supply, two 9 Volt batteries

6) Inexpensive digital multi meter (RS 22-179A, no problem).

Figure 4 . . . block diagram.

Table 1 . . . results of a simple calibration procedure

Table 2 . . . test results for various test samples . . .
i.e. those 'nasty' RED cores discussed on qrp-l.

John
N3AAZ
FM 19 xa

On Fri, 21 Sep 2001 18:02:04 -0000 datosa@tin.it writes:

>There is anyone who has experience about the construction of an
>antenna analyser giving complex result ($R+jX$), currently there are
>different commercial type which have price average 200-400\$, it is
>really so complex equipment to build RF generator, bridge or what .
>I will appreciate if someone could suggest where to look for an
>application to similar equipment.
>Thanks,
>Davide, Iw3hev

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 22 Sep 2001 10:33:20 -0500

From: "Bart N5WL" <wlawson@pldi.net>

To: <qrp-l@Lehigh.EDU>

Subject: [107334] Poquet/Logging

Message-ID: <000501c1437b\$e970b280\$e174fed0@patsy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

I know this has been gone over many times. I have a Poquet and want to use it for logging in the field. I use "EQF" at the home station on my regular computer. What can I run on the Poquet and how do I manage to get it on the Poquet?????

Please answer me direct! The list has seen enough of this subject:-)

TIA, 72 Bart N5WL qrp-l #994

Date: Sat, 22 Sep 2001 08:46:20 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp-l_post <qrp-l@lehigh.edu>
Subject: [107335] QRP ARCI Fall QSO Party
Message-ID: <3BACB24C.73E28FEF@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy, gang.

With all the good discussion of contest tips, the QRP ARCI Fall QSO Party will be an ideal opportunity to put them to use. The QSO Party always has lots of participation with both serious operators and casual laid back ones as well. Both types are welcome.

This week's ARRL propagation report said "this could be the best Fall equinox of the current cycle for HF propagation. Average daily sunspot numbers from September 6-19 were 220, but for the same period last year, it was only 113, and 132 in 1999. We haven't had sunspot counts this high prior to the Fall equinox since the peak of the last solar cycle...." With that as a backdrop, don't pass on the opportunity to take advantage of these conditions.

Here are the details.

QRP ARCI Fall QSO Party 2001

Date: September 29 1200 Z through Sep 30 2400 Z. Work a maximum of 24 hours of the 36 hour period.

Mode: CW only. Work stations once per band.

Exchange: RST, State/Province/Country (SPC), ARCI member number or power if not a member

QSO Points: Member = 5 pts

Non-member different continent = 4 pts

Non-member same continent = 2 pts

Multipliers: Total of SPCs from all bands, i.e. 3 SPCs on 20 and 5 SPCs on 15 totals 8 SPCs.

SPCs count once per band.

Power Mult:

Greater than 5 W = x1

greater than 1 W to 5 W = x7

greater than 250 mW to 1 W = x10

less than 250 mW = x15

Total Score = QSO Points X Total SPCs X Power Mult

Suggested Fqs: the usual QRP ones and don't forget to spread out a little

Team Competition: 2 to 5 members per team OR unlimited number of operators as long as a maximum of 5 transmitters on the air at a time. Team members compete individually as well as on the team. Team captain must send me a list of members before the contest.

When you are finished send your report which is both a summary and log sheet to me via e-mail or snail mail within 30 days to

Randy Foltz
809 Leith St.
Moscow, ID 83843

There is an ASCII report form at
<http://personal.palouse.net/rfoltz/arci/arcisums.htm>

You can report your score using the form at
<http://personal.palouse.net/rfoltz/arci/form.htm> and I will summarize the results each night at 9:00 PM PDT for 2 weeks. This is to give you a quick idea of how you did against others. The summary will be at
<http://personal.palouse.net/rfoltz/arci/highclm.htm>

--

73,
Randy, K7TQ
QRP ARCI Contest Chairman

Date: Sat, 22 Sep 2001 12:24:38 -0400
From: "Alex Turner" <aturner13@triad.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [107336] Need Help with SLA charger.
Message-ID: <009701c14383\$13380620\$e7d31a42@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have one of the Portable Power Stations that has gone up in smoke. Does anyone have a schematic or a rough idea of what circuit it might use? It is a Whistler model PP44000DC it uses a 12 7ah battery. The symptoms were that the battery was not charging then I noticed that while it was trying to charge it got very hot. The battery was ruined and when I installed the replacement smoke started rising from one of the electrolytics on the charger pca. As a better solution I may be better off buying a charger from one of the home ware stores. Any good suggestions there?

Thanks es 72
Alex N4BYJ

Date: Sat, 22 Sep 2001 12:40:54 -0500
From: "Brian Murrey" <brian@iquest.net>
To: <rfoltz@turbonet.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [107337] Re: QRP ARCI Fall QSO Party
Message-ID: <003901c1438d\$bb344820\$b7312bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a scout camp out that weekend. I'll take my NC40 and a Gusher and try the contest on 40m at 900 mW....seemed to work pretty well in the Hoot Owl Sprint.

----- Original Message -----

From: "Randy Foltz" <rfoltz@turbonet.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, September 22, 2001 10:46 AM

Subject: QRP ARCI Fall QSO Party

> Howdy, gang.

>

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> Both types are welcome.

>

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> 220, but for the same period last year, it was only 113, and

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> and 5 SPCs on 15 totals 8 SPCs.

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> Total Score = QSO Points X Total SPCs X Power Mult
> Suggested Fqs: the usual QRP ones and don't forget to spread
> out a little
> Team Competition: 2 to 5 members per team OR unlimited
> number of operators as long as a maximum of 5 transmitters
> on the air at a time. Team members compete individually as
> well as on the team. Team captain must send me a list of
> members before the contest.
>
> When you are finished send your report which is both a
> summary and log sheet to me via e-mail or snail mail within
> 30 days to
>
> Randy Foltz
> 809 Leith St.
> Moscow, ID 83843
>
> There is an ASCII report form at
> <http://personal.palouse.net/rfoltz/arci/arcisums.htm>
>
> You can report your score using the form at
> <http://personal.palouse.net/rfoltz/arci/form.htm> and I will
> summarize the results each night at 9:00 PM PDT for 2
> weeks. This is to give you a quick idea of how you did
> against others. The summary will be at
> <http://personal.palouse.net/rfoltz/arci/highclm.htm>
>
>
> --
> 73,
> Randy, K7TQ
> QRP ARCI Contest Chairman
>
>
>

Date: Sat, 22 Sep 2001 12:44:16 -0500
From: "George, W5YR" <w5yr@att.net>
To: aturner13@triad.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [107338] Re: Need Help with SLA charger.
Message-ID: <3BACCDF0.B77FA0C6@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mine, too, has failed with a burned up wire while charging. No help at all from the dealer - they do not supply schematics or service. Tough . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Alex Turner wrote:

>
> I have one of the Portable Power Stations that has gone up in smoke. Does
> anyone have a schematic or a rough idea of what circuit it might use? It
> is a Whistler model PP44000DC it uses a 12 7ah battery.
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> while it was trying to charge it got very hot. The battery was ruined and
> when I installed the replacement smoke started rising from one of the
> electrolytics on the charger pca.
> As a better solution I may be better off buying a charger from one of the
> home ware stores. Any good suggestions there?

Date: Sat, 22 Sep 2001 14:22:49 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [107339] Just worked WB4YEX on AT in Virginia
Message-ID: <000701c14393\$9690a580\$835dbc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

At 1810Z, WB4YEX had a strong signal on 7040 kcs from the Appalachian Trail. Not sure what his rig is - I worked him with my SST & dipole.

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Sat, 22 Sep 2001 13:24:44 -0500
From: n4so@juno.com
To: qrp-l@lehigh.edu
Subject: [107340] Fall QRP Homebrewer Sprint/Sunday evening

Message-ID: <20010922.132515.8278.7.N4S0@juno.com>

I will try PSK31 on 14 Mhz.
Anyone else going to be on the PSK31 mode?

Fall QRP Homebrewer Sprint (CW/PSK31) ***QRP CONTEST***

Sep 24 - 0000z to 0400z (Sunday evening in US/Canada)

Rules: <http://www.njqrp.org/data/qqrhomebrewersprint.html>

~~~~~

Ken Brown-N4S0  
Mobile, AL EM50tk  
NorCal-20 at 5 watts/4 ele. yagi  
Keylite Kit keyer

-----

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<http://dl.www.juno.com/get/tagj>.

-----

Date: Sat, 22 Sep 2001 12:12:16 -0600  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-l@lehigh.edu>  
Subject: [107341] FS: 2 antlers  
Message-ID: <MABBIKAEJNPMOAJMBKJJMEPMCDAA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Gang,

I have 2 wire antennas for sale.

1. Alpha Delta DX-EE 40-10 mtr dipole. Shortened antenna 40' total length.  
Will work the Warc bands with a tuner. Nice center insulator, and end  
insulators.

2. B+W trap dipole....an oldie and Im not sure of the bands covered but if I were a betting man I would say it is a 80/40 mtr trap dipole made in the early 60's or 70's. Has about 50' of attached RG-8 to the center insulator.

Will ship both antlers to your door for 50 bux CONUS...The Alpha Delta new was 99.95, so save half and get a free one to boot! Open to trades.

72, Tom WB5QYT..."Have spud will travel!"

-----  
Date: Sat, 22 Sep 2001 12:15:16 -0600  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [107342] FREE SCOPE  
Message-ID: <MABBIKAEJNPMOAJMBKJJCEPNCDA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Gang,

I still have this scope that I will give away...It is a Tektronix model 535, with cart and probes, manuals.....

Bring your truck and I will even help you load it up!!

Located in the Albuquerque, NM area.....

Thanks, Tom WB5QYT...."Have spud will travel!"

-----  
Date: Sat, 22 Sep 2001 12:18:53 -0600  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [107343] FS: Scorpion Stinger Singer  
Message-ID: <MABBIKAEJNPMOAJMBKJJIEPNCDA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit



Gang,

Above freq. counter for sale....I bought it at Flag, built it...works fb.  
Just havent used it and maybe one of you can....20 bux shipped CONUS.....

72, Tom WB5QYT....."Have spud will travel!"

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Date: Sat, 22 Sep 2001 12:21:44 -0600  
From: "T.W." <wb5qyt@abq.com>  
To: <qrp-1@lehigh.edu>  
Subject: [107344] FS: Heath HM-102 SWR/PWR meter  
Message-ID: <MABBIKAEJNPMOAJMBKJJJOEPNCDA.wb5qyt@abq.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Gang,

Above, works fb....have not used it in years, with manual, usable for qrp,  
50 bux OBO, CONUS....

72, Tom WB5QYT....."Have spud will travel!"

-----  
Date: Sat, 22 Sep 2001 11:47:03 -0700 (PDT)  
From: "Robert P. Okas" <vintage@best.com>  
To: <qrp-1@lehigh.edu>  
Subject: [107345] SLA Chargers  
Message-ID: <20010922110357.W23779-100000@shell114.ba.best.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

While we're on the topic, I'd like to mention the A&A Engineering Smart Charger. I picked one up at Ft. Tuthill this year and have been very pleased with its performance. I've successfully charged all of my gell cells without a hitch. Previously, I used to babysit the charging process while using a current limiting lab supply. No more! The front panel leds tell me at a glance the state of the charging process and careful monitoring is no longer required.

The charger will produce up to 1 Amp of bulk charging current, but I elected the 1/2 Amp charge rate at build time because all of my batteries are 7 AH and less. The battery may be left connected indefinitely and the charger will maintain a float charge. There is a provision for connecting a PV panel for solar charging as well, and this is Ored with the AC supply. The only minor complaint is the sometimes confusing assembly instructions. One must read them thoroughly before beginning and this caveat is stated clearly up front.

Count me another satisfied A&A customer. As for packaged batteries, read on.

I have an "MVP" power pack I picked up years ago that came without a wall wart charger. I used the lab supply to charge it and observed the MVP's front panel LEDs to determine (along with an inline ammeter and voltmeter) when the battery was charged. This was cumbersome at best. Another deficiency was the charge monitoring circuit. With the MVP's power switch in the OFF/Charge position, a continuous 1 mA drain appeared on the battery. With several months between uses/charges, the battery discharged to the point of being ruined. Removing the 15A battery fuse eliminated the problem, but this was an inconvenience. This load, BTW, was from a transistor base bias circuit that was placed across the battery. The entire charging circuit was bypassed when I got the Smart Charger, which requires a direct battery connection. Now, the fuse stays in place and battery isn't needlessly discharged.

Owners of similar units might wish to check their batteries to see if this problem exists. Simply remove the battery fuse and connect a milliammeter across the fuse terminals. Any indication with the unit powered off indicates a potential problem. If you're like me, you'll forget to charge the batteries until the need arises. It's a real bummer to have a dead battery when the lights go out. I'm prepared now!

73,  
Bob - W3CD

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Date: Sat, 22 Sep 2001 14:33:08 -0500  
From: n4so@juno.com  
To: qrp-1@lehigh.edu  
Subject: [107346] Charging Power-Sonic PS-1229  
Message-ID: <20010922.143308.10830.3.N4SO@juno.com>

Pulsed Charge Regulator

This type stays connected all the time so forms a power supply/charger combination. Compare the A & A Eng,. and the Jade Products with this type. My recommendation is that the pulse type regulator has advantages.

This has been tested and I have one in use for a NorCal 20 at this time. It will power any of the low power 13.8 vdc qrp rigs. There is no RFI to speak of from the charging pulse. The output voltage stays at 13.98 volts DC.

"The PCR12-500A is a self contained charger designed to automatically maintain a 12 volt Sealed Lead Acid battery having a maximum bulk charge of 500 mA or greater. The Power Sonic PS-1229A is an example of the type of battery this charger is designed to work with."

Ref: Bob Lewis, AA4PB, An Automatic Sealed Lead-Acid Battery Charger, QST May 2001, p. 43-47. rlewis@staff.net

"The advantage of the PCR12-500A over most other automatic chargers is that it can reliably work under varying load conditions and can therefore be left connected to the battery at all times. The typical 2-state or 3-state automatic charger (ever those with the Unitrode UC3906 chip) can become locked in the bulk charge mode by the load. This may result in overcharging of the battery, a gradual loss of water in the electrolyte and a corresponding shortened service life. The PCR12-500A avoids this "lock-up" condition by continuously monitoring battery voltage and adjusting the charge pulse width and duty cycle to supply only the amount of average current needed to maintain the battery in a fully charged condition."

A PC board is available from FAR CIRCUITS.

Tech. help is available from the author and designer.  
rlewis@staff.net

Total cost of parts runs about \$100 from Digi-Key.  
I have built the charger and use it to power an Elecraft K1 and the NorCal 20.

Ken Brown-N4SO  
Mobile, AL EM50tk  
NorCal-20 at 5 watts/4 ele. yagi  
Keylite Kit keyer

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<http://dl.www.juno.com/get/tagj>.

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Date: Sat, 22 Sep 2001 15:50:20 -0400 (EDT)  
From: "John L. Sielke" <w2agn@pobox.com>  
To: n4so@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [107347] RE: Fall QRP Homebrewer Sprint/Sunday evening  
Message-ID: <XFMail.20010922155020.w2agn@pobox.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
MIME-Version: 1.0

Planning to fire up my "Warbler" on 80M for the last hour or so.

John W2AGN

On 22-Sep-2001 n4so@juno.com wrote:  
> I will try PSK31 on 14 Mhz.  
> Anyone else going to be on the PSK31 mode?  
>  
>  
>

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End of QRP-L Digest 2320  
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